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(56) Documents Cited

GB 2353068 A GB 2333095 A WO 87/06298 A1
DE 029807184 U FR 002615895 A JP 090234154 A
US 5979750 A

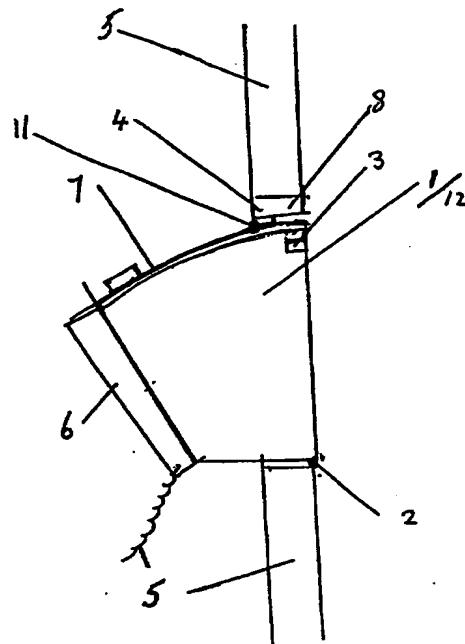
(58) Field of Search

UK CL (Edition S) E2X X5
INT CL⁷ A47G 29/14, E05G 1/00
Online: EPODOC, WPI, JAPIO

(54) Abstract Title

Lockable receptacle for delivered goods

(57) A container (1), mounted in the wall (5) of a building, has a lock (4) openable by a code or number, allowing deliveries to be made without the recipient being present. A proof of delivery in the form of a bar code may be issued and the lock is reset when the delivered goods are removed. The container may be refrigerated or temperature controlled for the storage of food items.



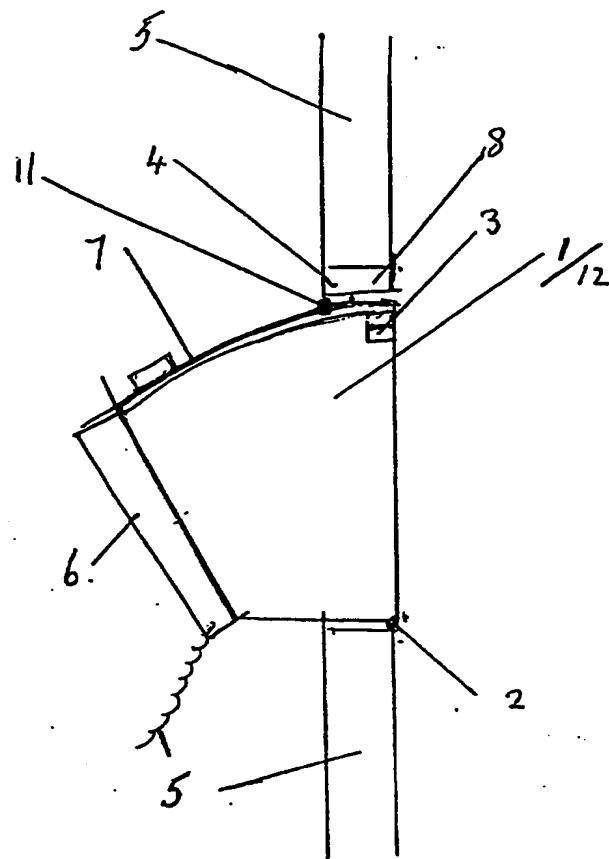
SIDE VIEW FIG 1
CLOSED POSITION

The claims were filed later than the filing date but within the period prescribed by Rule 25(1) of the Patents Rules 1995.

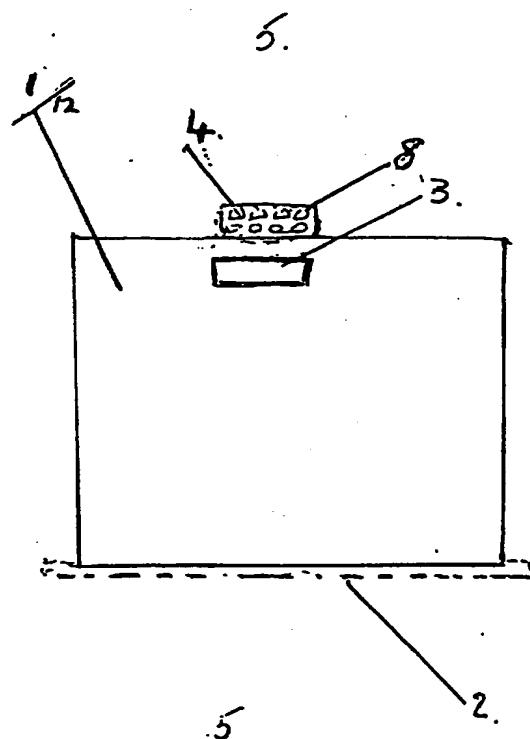
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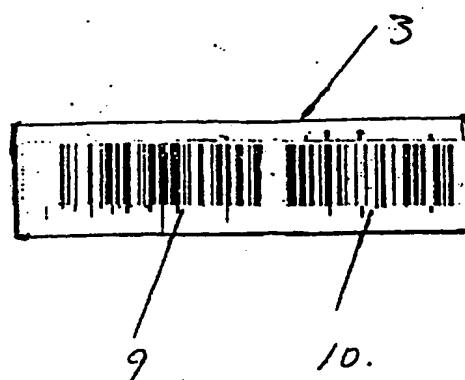
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SIDE VIEW FIG 1
CLOSED Position



FRONT VIEW FIG 2



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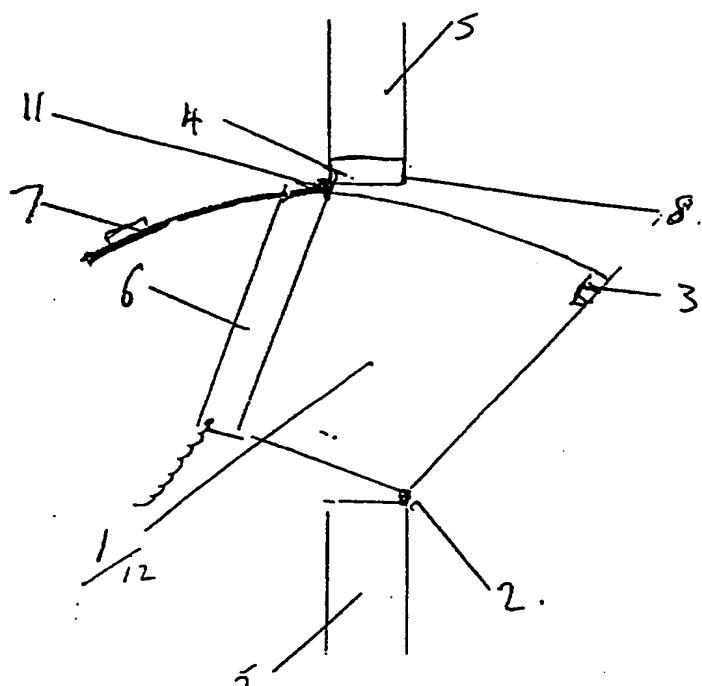


FIG. 3. OPEN POSITION
SIDE VIEW.



• 2 Mb (with integral bar code SCANNER and

Description

2358432

HOME SAFE FOR INTERNET SHOPPING.

To deliver goods to a house, flat, or dwelling when the order is placed on the Internet shopping system, and ensure they (the goods) are secure. Also if there is refrigerated items that they are kept at the correct temperature until they can be placed in a domestic freezer, as well as proof of delivery and security of entry into the dwelling house or flat whilst the occupants are not at home.

This involves a safety deposit box built into the house wall or adjoining buildings (garage etc.) or in the case of multi story flats a designated area on the ground floor, or as fitments to the entrance door to the property. Safety deposit units can be refrigerated and insulated for temperature controlled goods. This safe can only be opened from outside the premises by a code given by occupant at the time of placing the order. This code or number used by the delivery person can be keyed unto a combination lock giving access to the safe.

After the goods have been placed in the safe and the unit closed, a bar code reading, using a hand held bar code reader is taken proving delivery.

This allows deliveries for normal household groceries and other such small items as would fit into the designed safe to be scheduled on a delivery system from the local supermarket or supplier.

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Introduction to the drawings

The safe (item 1) is made of a stainless steel fabrication or a heavy moulded plastic. A hinge at the lower outer edge (item 2) allows the box to open out from the wall, panel , or door (item 5) . To secure The safe in the closed position a lock is fitted to the top frame (item 4) and when the safe is closed a catch snaps closed shut preventing theft of contents from outside the building. This can be unlocked once by a code keyed in by the delivery person using the keypad (item 8). When the goods are deposited in the box a bar code label attached to the goods or container is placed in the window (item 3) and the safe is then shut. As the box closes it allows a shutter to drop down exposing another section of bar code, (item 10) and a reading of both bar codes (using a bar code reader see inset below) are taken simultaneously, tying both codes together. This is then proof of delivery and that the safe was closed and locked.

Excess to the contents is by way of the cover (item 7) unlocked by a key held by the occupant. The cover hinges upwards at the top (item 11) and as it does it resets the lock in the key pad (item 8) in preparation for the next delivery

For refrigerated goods and perishables freezer units can be attached to the safe (item 6), these would require an electrical supply . Depending on the demands of the consumer and space available several of these units both refrigerated and none refrigerated can be fitted. Temperature controlled units would have an insulated box surround (item 12) on which the refrigerator would be fixed.

CLAIMS

1. A safe and secure container mounted in a building or a designated area, to contain items delivered to those premises.
2. The container as claimed in claim 1, is secured by a lock which is opened by a code, or number, given by the purchaser of the goods delivered.
3. The lock as claimed in claim 2, is reset by the person, to whom the goods were delivered, by opening the access lid to remove the contents.
4. The container as claimed in claim 1, is refrigerated for chilled goods, and non-refrigerated for all other goods.
5. Proof of delivery is recorded on a bar code reader, by recording two bar codes, simultaneous.
6. The container as claimed is made of metal or plastic, or a combination of these materials.



Application No: GB 0001369.8
Claims searched: 1-6

Examiner: Joanne Pullen
Date of search: 5 March 2001

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): E2X X5

Int Cl (Ed.7): E05G, A47G

Other: Online: EPODOC, WPI, JAPIO.

Documents considered to be relevant:

Category	Identity of document and relevant passage		Relevant to claims
X, E	GB 2353068 A	(EXPRESS-PAX) Whole document, in particular, page 2 paragraph 3- page 3 paragraph 2.	1, 2 & 4
X	GB 2333095 A	(ARCBOLD) Whole document, in particular, page 8 paragraphs 2 and 3.	1-4 & 6
X	WO 87/06298 A1	(MCSEENY) Whole document	1-4 & 6
X	DE 29807184 U	(MUELLER) Abstract and figures	1-3 & 6
X	FR 2615895 A	(MAGNAN) Abstract and figures	1-3 & 6
X	JP 9234154 A	(EIGHT SYSTEM) Abstract and figures	1-3 & 6
X	US 5979750 A	(KINDELL) Whole document	1-4 & 6

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.